

STATEMENT  
OF

WORK

(SOW)

FOR THE REBUILD OF THE

AAV

TORQUE CONVERTER ASSEMBLY

NSN 2520-01-132-5989

SOW-02-834-1-84338C-1/2

Dated 29 November 2000

STATEMENT OF WORK FOR THE REBUILD OF THE  
AAV TORQUE CONVERTER ASSEMBLY  
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STATEMENT OF WORK FOR THE REBUILD  
OF THE AAV  
TORQUE CONVERTER ASSEMBLY  
NSN 2520-01-132-5989

1.0 SCOPE. This Statement of Work (SOW), along with TM 8F152B-25&P/A establishes and sets forth tasks and identifies the work efforts that shall be performed by the contractor in the rebuild of the Assault Amphibious Vehicle (AAV) Torque Converter Assembly hereafter, called the Torque Converter Assembly. These documents contain minimum requirements to restore the Torque Converter Assembly to Condition Code "A". Condition Code "A" is defined as "serviceable/issuable without qualification, new, used, repaired or reconditioned materiel which is serviceable and issuable to all customers without limitations or restrictions". The Torque Converter Assembly is identified by National Stock Number (NSN) 2520-01-132-5989.

1.1 BACKGROUND. Rebuild is defined as that maintenance technique to restore an item to a standard as near as possible to original or new condition in appearance, performance, and life expectancy. This is accomplished through complete disassembly of the item, inspection of all parts or components, repair or replacement of worn or unserviceable parts using original manufacturing tolerances and/or specifications and subsequent reassembly of the item.

2.0 APPLICABLE DOCUMENTS. The following documents form a part of this SOW to the extent specified. Unless otherwise specified, the issues of these documents are those listed in the Department of Defense Index of Specifications and Standards (DoDISS) and supplement thereto which is in effect on the date of solicitation. In the event of conflict between the documents referenced and the contents of this SOW, the contents of this SOW shall be the superseding requirement.

2.1 Military Standards

MIL-STD-2073-1D	DoD Standard Practice for Military Packaging
MIL-STD-129	DoD Standard Practice for Military Marking

2.2 Other Government Documents and Publications

TM 8F152B-25&P/A	Assault Amphibious Vehicle (Power Plant Assembly Models AAV7A, AAVP7A1, AAVC7A1, AAVR7A1)
TM 2350-45	DMA Standard Procedures
DoD 4160.21-M	Defense Materiel Disposition Manual
NAVICPINST 4491.2A	Requisitioning of Contractor Furnished Materiel from the Federal Supply System

DoD 4000.25-1-M

MILSTRIP Manual

2600146

Naval Sea System Command Drawing for the  
Torque Converter AssemblyMilitary Handbooks (For Guidance)

MIL-HDBK-61

Configuration Management Guidance

2.3 Industry StandardsANSI/ISO/ASQC  
Q9003-1994Quality Systems-Model for Quality Assurance  
In Final Inspection and TestIndustry Standards (For Guidance)

ANSI/EIA-649

National Consensus Standard for Configuration  
Management

Copies of Military Standards and Specifications are available from the DoD Single Stock Point, Document Automation and Production Service, Building 4/D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, Commercial (215) 697-2179 or DSN 442-2179 or <http://www.dodssp.daps.mil>. Copies of handbooks, publications and other Government documents required by the contractor in connection with specific SOW requirements shall be obtained, in writing, from: Commander, Marine Corps Logistics Bases, Attn: Publication Branch (Code 876), Albany, Georgia, 31704-5000, Commercial (229) 639-5818/19, or DSN 567-5818/19. Copies of Drawings and Engineering Change Proposals required by the contractor shall be obtained in writing from Life Cycle Management Center, Attn: (Code 851-3), Marine Corps Logistics Bases, 814 Radford Blvd, STE 20302, Albany, Georgia, 31704-3020, Commercial (229) 639-6410 or DSN 567-6410.

3.0 Requirements3.1 General Tasks. In fulfilling the specified requirements, the contractor shall:

a. Provide materiel, labor, facilities, and services necessary to troubleshoot, test, diagnose, engineer, integrate, install, rebuild, and calibrate as required to make the Torque Converter Assembly fully operational. Upon completion of the rebuild, the Torque Converter Assembly shall be Condition Code "A".

b. Conduct final-on-site testing, which may be witnessed by Marine Corps Logistics Bases Albany, Georgia (MARCORLOGBASEALB), (Code 834-1) representative at his/her discretion.

c. The contractor shall be responsible for all structural, electrical, and mechanical requirements associated with the rebuild of the Torque Converter Assembly specified in TM 8F152B-25&P/A, TM 2350-45, Drawing 2600146, MIL-STD-2073-1D, and MIL-STD-129.

d. Ensure all Torque Converter Assemblies meet the configuration of Naval Sea System Command Drawing 2600146.

e. All mandatory replacement parts identified in TM 8F152B-25&P/A shall be replaced 100%. Economical replacement parts may be reused if they meet the applicable inspection requirements in TM 2350-45. All parts shall be disposed of in accordance with DoD 4160.21-M

3.2 Detailed Tasks. The following tasks describe the different phases for the rebuild of the Torque Converter Assembly.

3.2.1 Phase I - Rebuild. The contractor shall receive the Torque Converter Assembly for rebuild. The contractor shall then disassemble the Torque Converter Assembly into components and conduct the rebuild process. The contractor shall rebuild components in accordance with the requirements in TM 8F152B-25&P/A and this SOW. The contractor shall be responsible for supplying all equipment, tools, test equipment, and materiel for the conduct of this effort. The contractor shall be responsible for the integration and assembly of all components. The configuration identification for the Torque Converter Assembly is defined by the specifications annotated on current revision levels of Naval Sea System Command drawing 2600146. Upon completion of the rebuild, the Torque Converter Assembly shall be in condition code "AA". Rebuild Data Plate shall be installed centered in the rear below the item identification plate. The rebuild data plate shall contain the following (REBUILT BY:) (INSPECTED BY:) and (DATE REBUILT:). The plate shall be no more than .008 in thickness, "2 3/4" in length and 3/4" in height.

3.2.2 Phase II - Inspection, Testing, and Acceptance.

Inspection, testing, and acceptance of the Torque Converter Assembly shall be conducted in accordance with TM 8F152B-25&P/A and ANSI/ISO/ASQC Q9003-1994. The contractor shall correct any deficiencies discovered.

3.2.3 Phase III- Packaging, Handling, Storage, and Transportation (PHS&T).

a. The contractor shall be responsible for the application of preservation and packaging for items being repaired under the terms of this SOW. Items being scheduled for long-term storage or overseas shipment shall be in accordance with level "A" requirements with MIL-STD-2073-1D, Method 51. Items being scheduled for domestic shipment, immediate use, or short-term storage shall be to level "B" requirements.

b. Marking shall conform to MIL-STD-129.

c. The Marine Corps shall provide the contractor with the shipping address(es) for the delivery of the repaired equipment. The contractor shall be responsible for arranging for

shipment to the pre-designated site(s). The Marine Corps shall be responsible for transportation costs associated with shipping the subject equipment to and from the contractor.

### 3.3 Configuration Management

a. The contractor shall apply configuration control procedures to established configuration items. The contractor shall not implement configuration changes to an item's documented performance or design characteristics without prior written authorization. If it is necessary to temporarily depart from the authorized configuration, the contractor shall prepare and submit a Request For Deviation. MIL-HDBK-61 (paragraph 4.3 and Table 4-9) and ANSI/EIA-649 (paragraph 5.3.4) provide guidance for preparing this configuration control document.

b. The creation and submission of RFDs shall be accomplished using MEARS CREATE software, which resides at a secure web site, <https://mearsweb.redstone.army.mil>. The contractor shall request User-ID and password privileges from the contracting activity for the purpose of gaining access to the web site and creating RFDs. MEARS CREATE privileges for the contractor shall be limited to two representatives and shall provide their e-mail address to the contracting agency upon selection. The contractor shall notify the contracting activity by e-mail when completed MEARS RFDs are ready for formal submission and review by the contracting agency. The contractor shall direct technical or functional questions concerning usage of MEARS CREATE software to the contracting activity for guidance.

### 3.4 Government Furnished Equipment (GFE) / Government Furnished Materiel (GFM)

GFE is government owned equipment authorized by contract for use by a commercial/government contractor. It is neither consumed during production nor incorporated into any product. GFM is materiel furnished to a contractor that will be consumed during the course of production or incorporated into a product being manufactured/remanufactured under a contract/SOW. In the event the Marine Corps does have GFE/GFM requirements the Management Control Activity (MCA) at MARCORLOGBASEALB (MCA/Code 827-2) will coordinate required GFE and will maintain a central control on Marine assets in the Contractors possession. The MCA will forward a GFE Accountability Agreement to the Contractor for signature to establish a chain of custody and property responsibility for Marine Corps assets.

### 3.5 Contractor Furnished Materiel (CFM)

The Marine Corps has adopted the Navy's procedures regarding CFM (NAVICPINST 4491.2A). In the event that CFM is required for repair parts, the contractor shall requisition through the DoD Supply System. DoD 4000.25-1-M, (MILSTRIP) Chapter 11 authorizes contractors to requisition through the DoD Supply System.

### 3.6 Quality Assurance Provisions

3.6.1 The performance of the contractor's quality of work performed, materiel provided and documents written shall be subject to in-process review and inspection by the

MARCORLOGBASEALB (Code 834-1) representative during contract performance. Inspection may be accomplished at any work location. The MARCORLOGBASEALB (Code 834-1) representative requires at a minimum, two weeks notice of acceptance tests to allow for sufficient time for MARCORLOGBASEALB (Code 834-1) representative to witness the test if he or she desires. Inspection by the MARCORLOGBASEALB (Code 834-1) representative of acceptance tests, materiel and associated lists furnished hereunder does not relieve the contractor from any responsibility regarding defects or other failures to meet the SOW requirements which may be disclosed prior to final acceptance.

3.6.2 The contractor shall provide and maintain a Quality System that as a minimum, adheres to the requirements of ANSI/ISO/ASQC Q9003-1994. The contractor's work shall be subject to in-process reviews and inspections for compliance with these procedures and standards by MARCORLOGBASEALB (Code 834-1) representative. Noncompliance with these quality assurance procedures resulting in degraded quality of work may result in a stop-work order requiring action by the contractor to correct the work performed and to enforce compliance with quality assurance procedures or face contract termination. Notwithstanding such inspection, it shall be the contractor's responsibility to ensure that the entire system meets the performance requirements of this SOW.

#### 4.0 Report/Documentation

##### 4.1 Report/Documentation that is required:

The contractor shall provide a Monthly Production Status Report summarizing the progress and status of the Torque Converter Assembly.

# CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved  
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO. B. EXHIBIT C. CATEGORY:  
TDP TM OTHER ☒

D. SYSTEM/ITEM E. CONTRACT/PR NO. F. CONTRACTOR  
Torque Converter Assembly

1. DATA ITEM NO. 2. TITLE OF DATA ITEM 3. SUBTITLE  
A001 Production Status Report Monthly Production Status Report

4. AUTHORITY (Data Acquisition Document No.) 5. CONTRACT REFERENCE 6. REQUIRING OFFICE  
DI-MGMT-81255 SOW 4.1.b MCLBA (834)

7. DD 250 REQ 8. DIST STATEMENT REQUIRED 9. FREQUENCY 10. DATE OF FIRST SUBMISSION 11. DISTRIBUTION  
LT A MTHLY See Blk 16

8. APP CODE 9. AS OF DATE 10. DATE OF SUBSEQUENT SUBMISSION 11. a. ADDRESSEE b. COPIES  
A See Blk 16 MCLBA (834-1) 0 1 0

12. REMARKS  
Blk 4 - Contractor format is authorized. Delete the following paragraphs. These paragraphs do not apply to this deliverable: 10.1, 10.2.3, 10.2.5, 10.2.6, and 10.2.9.

Paragraph 10.2.4 and 10.2.7, replace "CLIN" with "MWSLI" (Master Work Schedule Line Item) Number.

Blks 10, 12, & 13 - The report shall be submitted on the tenth of each month. The first submission shall be 30 days after contract award.

The Production Status Report shall be transmitted via E-Mail to the following address: HoffmanRE@matcom.usmc.mil.

Distribution Statement A: Approved for public release, distribution is unlimited.

17. PRICE GROUP  
18. ESTIMATED TOTAL PRICE

G. PREPARED BY H. DATE I. APPROVED BY J. DATE  
R E Hoffman 10/23/00 R E Hoffman 10/23/00



(1 Data Item)

Form Approved  
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (7041-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.		B. EXHIBIT	C. CATEGORY: TDP _____ TM _____ OTHER _____ X	
D. SYSTEM/ITEM Torque Converter Assembly		E. CONTRACT/PR NO.	F. CONTRACTOR	
1. DATA ITEM NO.  B001	2. TITLE OF DATA ITEM  Request For Deviation		3. SUBTITLE  Configuration Management	
4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80640C		5. CONTRACT REFERENCE SOW 3.3		6. REQUIRING OFFICE MCLBA (851)
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED  A	10. FREQUENCY ASREQ	12. DATE OF FIRST SUBMISSION See Blk 16	14. DISTRIBUTION  a. ADDRESSEE
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION	b. COPIES Draft Final Reg Repro
16. REMARKS MEARS CREATE user-id and password will be assigned by the Requiring Office.  Blks 10 & 12 - MEARS RFD text files shall be submitted electronically using MICROSOFT or ADOBE formatted software products.  Accompanying figures to text files shall be in a MICROSOFT Office format or CCITT Group 4 graphic file. Group 4 graphic files shall have a minimum density of 600 dpi.  Questions concerning MEARS CREATE V8.1 functionality shall be directed to the Requiring Office.  RFD notification shall be accomplished via e-mail to the following address: mbmatcomconfigmngmnt@matcom.usmc.mil  Distribution Statement A: Approved for public release, distribution is unlimited.				MCLBA (834-1) 0 0 0
				MCLBA (851-2) 0 1 0
16. TOTAL →				0 1 0
G. PREPARED BY Doug Sim	H. DATE 10-11-00	I. APPROVED BY [Signature]		J. DATE 10/23/00

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE	
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